

PASSENGER PROBLEM TO BE RELIEVED BY AUTOMOBILE

The curtailment of passenger traffic to a degree of 20 per cent in some parts of the country will not work such a hardship as supposed, is a statement from R. C. Ruesch, vice president of the Mitchell Motors Company, Inc., of Racine, Wis.

"Just as the motor truck relieved the freight problem in the short hauls and some long ones also, so can the automobile relieve the passenger traffic at this time."

"The automobile is a necessity in these days, where transportation means the saving of time and money, and the public, having once been educated to flying along the highways

and moving goods at from fifteen to thirty miles an hour, will not go back to walking and slow-moving and expensive horse hauling.

Season and weather are not to be considered as in past years when they were looked upon as a handicap to business. And yet it is not so long ago that with the first frost the motor car was locked up in the garage. But not today, the motor car has shown us the short cuts and the time to be saved so it is used the year around.

"The recent snow storms the past few days, have not curtailed traffic as it would have a few years ago, and the answer again is the automobile. The mail man has been able to follow his regular schedule in the rural districts. The delivery system in the city has come through in fine shape with their motor cars."

"Perhaps it is true that certain conditions of the country have thrown the motor car in the limelight but one can readily see what a handicap we would be in were it not for the high degree of efficiency obtainable from one."

"The modern business man today must be alert, confident and prosperous in order to carry on his work. The automobile can be his incentive to greater effort. He must have an ally to meet his needs for it he lets business run haphazardly he is apt to be passed by the man who finds more time to do bigger things through the use of the motor car."

"For this and many other economic reasons, war or no war, the public is going to buy cars, and the makers will have to build them to meet the public's needs. But whether there will be enough of them built between now and next summer to meet the demand is a very grave question. It is penny wise and pound foolish for the man who can buy and own a car not to buy one at this time. Wise economy consists in making a day longer, more efficient and constructive. This can be accomplished by owners of automobiles."

Do not wait till tomorrow—phone that WANT AD. to The Republican and dispose of, or get what you want.

Notice to Ford Owners SAVE GASOLINE A Special Patent for FORD CARS

Ford vehicles should equip their cars with this patent gasoline vaporizer. Guaranteed to save 25 to 45 per cent of your gasoline bill, will give you from 25 to 40 per cent more mileage, more power and more speed. No carbon. Can be attached in ten minutes; does not require expert. No re-adjusting of carburetor. Lasts a life-time. Price \$3.50, cash with order. We pay express. Agents wanted.

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| GIANT TIRES | |
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| 30x3 Nonskid | \$10.60 |
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| 32x3 1/2 Nonskid | \$14.05 |
| 33x4 Nonskid | \$18.45 |
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| LEADER TIRES | |
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| 32x4 Nonskid | \$20.50 |
| 33x4 Nonskid | \$21.55 |

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On all orders from factory for two or more tires we will allow 10% discount and prepay express to all points in Arizona. A small deposit required with each order.

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SAMPLE TRUNKS ARE CARRIED ABOUT BY TRUCK

The knight of the grip who depends solely upon the railroads to transport himself and his samples from town to town this year faces the most difficult problem that has ever confronted a commercial traveler.

With many passenger trains already removed from the service and with predictions being freely made that passenger train schedules will be still further cut the experienced salesman knows that his selling efficiency will be greatly decreased if indeed his entire business is not jeopardized. It may also be necessary to place restrictions on the amount of baggage allowed each passenger, in which case many salesmen will be still further handicapped.

There seems to be but one satisfactory answer to this trying problem. It is motor cars and already many salesmen are preparing to make their ends successfully and surely by motor.

Even before the exigencies of the war brought salesman face to face with restricted traveling facilities, the motor car was successfully employed by hundreds of salesmen. With it they made more towns per day, did away with wasteful waiting for trains and made unnecessary the hiring of special equipages for getting to off the railroad points.

For those salesmen who travel light with only an order book and a personal grip or just a small case of samples, the roadster will continue to be the popular vehicle for their purpose.

Scores of Studebaker roadsters, regular stock models, are being used in this way by salesmen in every part of the country and these men say that the cars meet every requirement. But how about the dry goods drummer or the shoe salesman? The roadster would be worthless to such a salesman and even the most spacious touring car would scarcely be equal to this load of samples.

Luckily that's all been solved long ago. An enterprising traveler for the wholesale house of Sanger Brothers, Dallas, Texas, easily solved the problem, negotiating the roads of the Lone Star state last season calling on all of his trade with a Studebaker 1900-pound express car. His four big sample trunks fitted snugly into the rear compartment while the front seat gave him all the comfort he could have experienced in a passenger car.

The Studebaker express also proved exceedingly economical of operation. Day after day over all sorts of roads and under all kinds of weather conditions it showed its ability to plow along consistently at high speed without strain or mishap.

Such an experience should point a valuable lesson to commercial travel-

WOMAN SERVES ON WAR LABOR BOARD



Miss Agnes Nestor.

Miss Agnes Nestor of Chicago represents the women of the nation on the national war labor board, recently created by Secretary of Labor Wilson. She is president of the Chicago Women's Trade Union league, a member of the woman's committee of the council of national defense and member of the council sub-committee of women in industry. Miss Nestor's experience in many phases of women's war work qualifies her well for her new duties.

ers with heavy samples who are faced with train restrictions which menace their success this year. One of these thousand pound Studebaker express cars will place such a salesman beyond need of worrying over abandoned schedules and paucity of trains.

ORLOFF DIAMOND FEARED IS STOLEN

(Rochester Dem. and Chronicle)

One of the interesting incidents of the Russian revolution is the disappearance of the Orloff diamond, one of the most famous gems, from the imperial Russian scepter. Its weight is 184 1/2 carats. Like other great diamonds, it has had a curious history. It is said that it once formed the eye of an idol in a temple at Srirangam, near Trichinopoly, in Madras, from where it was stolen by a French deserter from the garrison. He is said to have carried it to Malabar and sold it to a ship's captain for 2,000 guineas. A Jew next bought it for 12,000 guineas and offered to sell it to Catherine the Great. As might be expected, Catherine, who knew enough to get rid of her husband and acquire the throne and a good deal more, also knew how to obtain the gem dirt cheap. She left it to her paramour, Gregory Orloff, to buy, and received it from him as a gift. For this favor to his mistress Orloff was ennobled. It is quite possible that many Russians feel quite worried by the disappearance of the stone. Such is sentiment. Their real troubles are likely, however, soon to take their attention from losses that do not affect them. Their revolutionary state of mind seems to be chronic, which will tend quickly to make good victuals and warm jenkins and breeches of livelier concern than big diamonds.

OWNERS' SERVICE DEPARTMENT

Will you please explain to me what "gear ratio" means. I am a new car owner and I want to know what the various terms mean.—Novice.

The gear ratio in which you are interested means the speed of the crankshaft in relation to wheel speed on high gear. If the gear is expressed as four to one, it means that the motor turns over four times to each revolution of the wheels on direct.

Can I use the magneto of my Ford car to charge the storage battery, the car being equipped with dry cells for ignition? Would this process be liable to injure the magneto?—E. Herschberg.

It is impossible to use the magneto of the Ford car to charge a storage battery, without placing a rectifier in the circuit. The storage battery can only be charged with direct current, whereas the Ford magneto produces alternating current. If the rectifying unit is used, no harm would result to the magneto.

I have a car with an old motor, a Chalmers 1912 or 1913 I believe, which does not scavenge properly. A friend suggests porting the cylinders, which he has done on his Ford car with success. Do you think it would work out in my case?—V. E. J.

Porting would probably help. I think you will find, however, that by fitting larger exhaust valves and cams that will hold the valves open a little longer, you will obtain the desired results at less expense and trouble.

Is a rotary valve engine the same thing as a revolving cylinder engine? Please settle a bet.—R. F. G.

The rotary valve engine is not same as the revolving cylinder engine, which is usually referred to as a rotary engine. In the rotary valve motor, the valves are in the form of cylindrical rods, which revolve in operation and give that name to the type. In the revolving cylinder or rotary motor, on the other hand, the crankshaft remains stationary and the cylinders turn around. The Gnome airplane engine is an example of this type.

I have a Ford car and when running down hill with the spark fully retarded, I get a knock. What causes this?—J. Van.

Your question is indefinite. If you went to the doctor and told him you had a pain without telling him where and asked him to diagnose your ill, he would be no worse off than I am in trying to guess at your car's trouble. However, if the knock is in the motor it may be caused by looseness of some part. The bearing ends may be flattened so that the crankshaft moves back and forth. There may be play in the driving unit, allowing the clutch to slip. The flywheel may be loose. If you will write me and give me specific details, I will be glad to try and help you.

SHIPBUILDING GOES FORWARD AT FORD MOTOR WORKS

Newspapers all over the country are furnishing the public with some very interesting facts regarding the building of ships at the great Ford plant, and Ed Rudolph, local Ford dealer, gives us the following interesting information stating that the production of the new anti-submarine boats for the navy has already been started in the fabricating shops at the Ford Motor company's plant in Detroit.

Delivery of a finished boat every day is contemplated when cycle of production is complete. Construction will proceed by stages, for to turn out a boat daily, after a period of several months, requires that a boat a day be started. Materials for construction are fed into one end of the plant as rapidly as it is planned to produce the completed product at the other. Whole numbers of boats will be under production simultaneously at one stage. Power will be furnished by geared turbines. A safe and conservative speed estimate will be maintained. All boats will be fabricated at the Ford plant, progressing by stages until they are launched in the Detroit river. They are to be taken to the seaboard by way of canals and inland waterways. The boats will measure 200 feet and displace about 500 tons, insuring easy passage to the sea.

This is indeed a wonderful undertaking especially in view of the fact that the making of these boats will not in any way interfere with the manufacture of the Ford automobiles and the regular turning out of some 3,500 finished cars each day.

RADIATOR LEAKS

One cause of leaks in the radiator is that the vents in the filling caps and overflows become choked with the result that steam accumulates in the radiator and the pressure seeking an outlet, forces an opening at the weakest point. A little attention to the vent will remove the cause of the trouble.

Tire Bargains

We have on hand a large assortment of the following guaranteed tires: Advance, Fiske, Firestone, Lee, McGraw, Goodrich, Keystone, Summit, Savage and Victor Springfield at prices that talk.

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|----------|-------------|--------|--------|
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| 30x3 | 9.50 | 2.15 | 2.35 |
| 30x3 1/2 | 12.75 | 2.60 | 3.00 |
| 31x3 1/2 | 13.75 | 2.65 | 3.10 |
| 32x3 1/2 | 15.50 | 2.75 | 3.25 |
| 34x3 1/2 | 16.00 | 3.10 | 3.45 |
| 31x4 | 19.75 | 3.45 | 3.85 |
| 32x4 | 20.60 | 3.60 | 4.25 |
| 33x4 | 21.40 | 3.70 | 4.30 |
| 34x4 | 21.90 | 3.85 | 4.50 |
| 35x4 | 23.65 | 4.10 | 4.65 |
| 36x4 | 23.75 | 4.30 | 4.90 |
| 34x4 1/2 | 29.30 | 4.80 | 5.40 |
| 35x4 1/2 | 29.70 | 5.00 | 5.55 |
| 36x4 1/2 | 31.25 | 5.25 | 5.80 |
| 37x4 1/2 | 32.10 | 5.40 | 5.90 |

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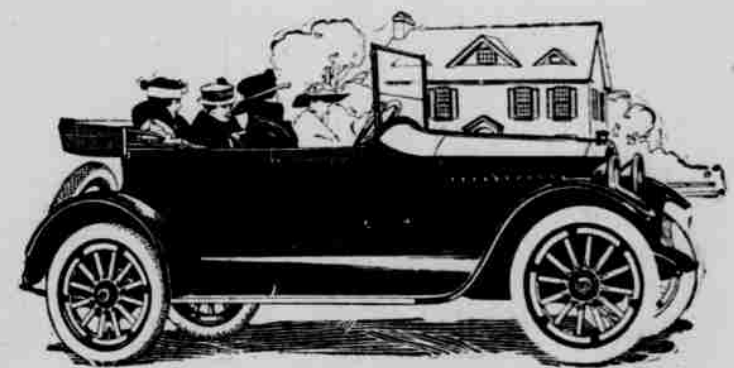
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